TABLE VI

RESEARCH & DEVELOPMENT AS A PERCENT OF SALES*

INDUSTRY	1979	1980	1983
Iron & Steel	.42%	.44%	.40%
Nonferrous Metals	.50	.53	.49
Electrical Machinery	7.00	7.21	6.59
Machinery	3.04	3.23	3.15
Autos, Trucks & Parts	3.36	3.33	2.57
Aerospace	19.29	17.36	13.27
Fabricated Metals	.34	.33	.27
Instruments	4.75	4.90	4.69
Stone, Clay & Glass	.80	.81	.79
Chemicals	2.64	2.67	2.74
Paper & Pulp	.64	.70	.72
Rubber	1.25	1.25	1.17
Petroleum	.98	.93	.90
Food & Beverages	.21	.21	.20
Textile Mill Products & Apparel	.20	.20	.19
Other Manufacturing	.24	.25	.26
ALL MANUFACTURING	2.12	2.12	1.98

*Sales figures are based on company data classified by major product line.

TABLE VII

RESEARCH & DEVELOPMENT AS A PERCENT OF CAPITAL SPENDING

INDUSTRY	1979	1980	1983
Iron & Steel	9.63%	9.25%	9.74%
Nonferrous Metals	11.11	9.35	7.58
Electrical Machinery	149.86	141.91	143.24
Machinery	56.94	63.06	62.15
Autos, Trucks & Parts	81.03	69.70	69.64
Aerospace	402.29	296.73	443.45
Fabricated Metals	13.50	9.43	13.05
Instruments	98.57	97.38	111.29
Stone, Clay & Glass	13.15	11.27	17.64
Chemicals	45.97	44.21	49.50
Paper & Pulp	8.61	7.13	13.30
Rubber	31.00	19.79	18.38
Petroleum	7.89	6.93	6.53
Food & Beverages	9.57	10.92	12.55
Textile Mill Products & Apparel	8.87	7.80	9.15
Other Manufacturing	9.02	9.39	13.53
ALL MANUFACTURING	45.38	43.83	46.89
Nonmanufacturing	1.20	1.30	1.38
ALL INDUSTRY	20.89	20.98	23.34

TABLE VIII

PERCENT OF R & D UNDERTAKEN AS A RESULT OF GOVERNMENT REGULATION

INDUSTRY	Estimated 1979	Expected 1980
Iron & Steel	12%	12%
Nonferrous Metals	6	6
Electrical Machinery	7	7
Machinery	5	6
Autos, Trucks & Parts	57	57
Aerospace	3	3
Fabricated Metals	2	5
Instruments	7	7
Stone, Clay & Glass	12	16
Other Durables	10	13
TOTAL DURABLES	13	14
Chemicals	10	10
Paper & Pulp	15	14
Rubber	5	5
Petroleum	24	25
Food & Beverages	15	15
Textiles	20	22
Other Nondurables	3	4
TOTAL NONDURABLES	13	14
TOTAL MANUFACTURING	13	14
Electric Utilities	27	44
Gas Utilities	49	49